

Peak District National Park

Forecast valid from 06:00 on Thursday 18 Aug 2022 until 23:59 on Friday 19 Aug 2022

Forecast Issued on Thursday 18 Aug 2022 at 03:21

Confidence: High confidence in overall unsettled pattern.

Headline for Thursday 18 Aug 2022: A cloudy day with rain developing later.

Mountain weather hazards on Thursday 18 Aug 2022

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Cloudy	Dull	Heavy Rain	Light rain	Cloudy
Precipitation probability					
<05%	<05%	20%	60%	60%	40%

Forecast for Thursday 18 Aug 2022

Weather: Patchy low cloud possibly forming across the summits around dawn. Low cloud clearing but high cloud persisting throughout the morning. Cloud starts to thicken and lower from around midday as a band of rain approaches from the west. Rain and low cloud then persisting into the evening gradually breaking up overnight. Breezy during the afternoon and evening.

Chance of cloud-free hill tops above 600m: 60% in the early hours, increasing to 100%. Deteriorating during the afternoon to 40%.

Low cloud and visibility: Poor visibility in patchy low cloud base 400-500m over summits at first. Then good through the morning but deteriorating to poor during the afternoon in rain and widespread low cloud base 400m.

Forecast for Thursday 18 Aug 2022

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/19 SE	18/22 SW	19/25 SW	17/24 SW	17/23 SW	18/25 SW	19/26 SW
300	9/15 SE	14/18 S	15/22 SW	15/21 SW	12/20 S	14/21 SW	15/22 SW
Valley	2/9 SE	9/17 S	11/22 SW	10/20 SW	7/18 S	9/20 SW	11/21 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/11	13/10	15/12	16/12	14/12	15/12	14/11
300	14/13	16/13	18/15	18/16	17/15	17/15	16/14
Valley	14/14	17/15	19/17	19/17	17/16	17/16	16/15
Freezing Level*	2500m	3300m	3000m	3400m	3400m	2800m	2700m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A generally fine morning with strong sunshine possible in any cloud breaks. Poor during the afternoon and feeling cool in the rain with a fresh wind.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 18 Aug 2022	1.2mm	3.4mm	3.4mm

Forecast for Friday 19 Aug 2022

Weather: Cloud clearing in the early hours of Friday morning to give a fine and bright start. Scattered fair weather cloud developing late morning and continuing through the afternoon. Likely staying dry. Feeling cooler than Thursday despite the sunshine.

Maximum wind: Westerly 15mph gusting 25-30mph.

Chance of cloud-free hill tops above 600m: >95%

Low cloud and visibility: Good visibility throughout.

Temperature: **Valleys:** Plus 10 Celsius increasing to 17 Celsius.
At 600m: Plus 10 Celsius
Freezing level: Above summits.